

LabTEST_{XM}

PROCEDURE (Major XM)

Between donor's RBC & recipient's plasma or serum

STEP 1

RECIPIENT BLOOD



DONOR BLOOD



PREPARATION OF BLOOD SAMPLES:

- DONOR: USE RED BLOOD CELLS (EDTA/ACD/CPD).
- RECIPIENT: CENTRIFUGE RECIPIENT BLOOD SAMPLE FOR PLASMA OR SERUM COLLECTION.

STEP 2



TAKE A CLEAN TEST TUBE AND ADD 3 DROPS OF BUFFER 1.

STEP 3



DIP THE EXTREMITY OF THE BLOOD COLLECTOR STRIP INTO **THE DONOR TUBE** (=10µL OF BLOOD).

STEP 4



MIX THE EXTREMITY OF THE BLOOD COLLECTOR STRIP INTO THE TUBE CONTAINING BUFFER 1.

STEP 5



TAKE THE SMALL PIPETTE TO COLLECT **THE RECIPIENT'S SERUM OR PLASMA** AND ADD 3 DROPS OF SERUM OR PLASMA INTO THE TUBE CONTAINING THE RBC SUSPENSION.

STEP 6



MIX GENTLY THE SUSPENSION AND INCUBATE AT ROOM TEMPERATURE DURING 10 MINUTES.

STEP 7



TAKE THE LARGER PIPETTE TO COLLECT THE WASH BUFFER AND ADD 1,5ML INTO YOUR SUSPENSION.

STEP 8



CENTRIFUGE THE TUBE FOR 1 MINUTE TWICE AT 500G OR 1600 RPM. DISCARD THE SUPERNATANT AND **REPEAT STEP 7 & 8 TWO TIMES MORE.**

RESULT WASHING PROCEDURE:



THE GOAL IS TO ACHIEVE A CLEAR AND COLORLESS SUPERNATANT

STEP 9



ADD 2 DROPS OF BUFFER 2 ON THE PELLET AND MIX GENTLY

STEP 10



TAKE 1 XM MEMBRANE AND DIP IT INTO THE TUBE CONTAINING THE SUSPENSION TO ALLOW A COMPLETE MIGRATION.

STEP 11



STICK THE MEMBRANE ON THE RESULT FORM TO INTERPRET IF THE XM IS POSITIVE OR NEGATIVE AND RECORD THE FORM.

For minor crossmatch, perform the same procedure by taking serum or plasma from the donor with RBC of the recipient.